



COUNTY BOROUGH OF BURY.

REPORT

ON THE

Medical Inspection of School Children

For the Year ending December 31st, 1916.

G. GRANVILLE BUCKLEY, M.D., D.P.H.,

SCHOOL MEDICAL OFFICER, MEDICAL OFFICER OF HEALTH
AND

CHIEF TUBERCULOSIS OFFICER.

BURY:

PRINTED AT THE "TIMES" OFFICE, CROSS STREET.
1917.

PUBLIC HEALTH DEPARTMENT,
PARSONS LANE, BURY,

May 1st, 1917.

*To the Chairman and Members of the Education Committee,
County Borough of Bury.*

LADIES AND GENTLEMEN,

I beg to submit for your consideration my annual report on the Medical Inspection and Treatment of School Children during the year ended December 31st, 1916.

The total number of children inspected is nearly 400 more than the corresponding number for the previous year. These examinations have all been carried out by myself, as the Assistant Medical Officer has been on active service during the year.

In accordance with the suggestion of the Board of Education the size of the report has been considerably reduced.

I take this opportunity of expressing my thanks to the Director of Education and his staff, the Head Teachers of the various schools, the clerical staff of the Health Department, and to the School Nurse (Miss L. H. Rishton) for the assistance they have given me, and to you, Ladies and Gentlemen, for your courtesy and kind sympathy.

I am, Ladies and Gentlemen,

Your obedient Servant,

G. GRANVILLE BUCKLEY.

County Borough of Bury.

MEDICAL INSPECTION OF SCHOOL CHILDREN.

I.—METHODS.

The methods adopted during 1916 are similar to those detailed in previous Reports, and need not be repeated here. The groups of children inspected are :

1. "Entrants."
2. "Leavers."
3. "Special Cases."

Owing to the absence on active service of the Assistant Medical Officer, it has not been possible to examine the "Intermediate Group" of children during the year.

II.—RESULTS.

Number of Visits to Schools and Departments.

Number of visits for Medical Inspection	126
" " other purposes	14
Total	<u>140</u>

Number of Examinations made during the year.—The total number of examinations made during 1916 was 3,678, and was made up as follows :—

Routine Inspection	{ "Entrants"	1090
	{ "Leavers" (aged 12 and 13)	755
	{ "Specials"	101
Re-Inspection	{ New Cases	633
	{ Old Cases	279
Other Cases examined at Office		820
		<u>3678</u>

At the routine inspections 313 entrants and 55 leavers were absent.

In addition to the above, a large number of children were examined for dirty and verminous conditions, signs of infectious disease, &c.

Sex and Age.—See Table I., page 8.

Attendance of Parents.—Of the "Leavers," 9.1 per cent: were accompanied by their parents, while in the case of the "Entrants" the percentage was 28.1.

Physical Condition of the Children Inspected.—On Table II. (facing page 8) will be found a summary of the diseases and defects discovered.

Special Cases.

When the Medical Officer visits a school for the purpose of Medical Inspection, advantage is taken of the opportunity to examine such children (not falling into one of the three classes, "Entrants," "Intermediates," and "Leavers") as have been noticed by the teachers to be suffering from some palpable disease or defect. The total number of such children brought to the notice of the Medical Officer during the year was 101, an increase of 36 upon the number examined in 1915. A summary of the diseases and defects discovered will be found in Table II. (facing page 8).

Miscellaneous Examinations.

These consist of children examined at the office and comprise such minor ailments as dirty and verminous conditions, ringworm, impetigo, &c. Saturday morning of each week is now set apart for the examination of these children at the Health Office, but many children attend at other times.

During the year 820 examinations have been made of 275 children:—

	No. of Children Affected.	No. of Examinations.
Dirty and verminous conditions	154	471
Ringworm... ..	40	125
Eye diseases and defects	29	82
Tuberculosis (Lungs)	3	7
" " suspected	4	15
" (Glands)	5	21
Diseases of Nervous System	5	15
" Heart and Circulation	5	15
Various	24	61
Nothing found	6	8
Totals	275	820

III.—TREATMENT.

The methods employed or available for the treatment of defects are as in former years, and have been fully detailed in previous reports. Difficulty has arisen in obtaining treatment at the local Hospital owing to the strain on the resources of the Institution caused by wounded soldiers.

Table V. shows the number of defects treated during 1916.

Tuberculosis.—The following table gives particulars of school children, suffering from Tuberculosis, who have received Institutional Treatment during the year :—

Initials.	Age.	Institution.	Admitted.	Discharged	Length of Stay.
S.A.M.	11	Ainsworth Sanatorium	Still in on Jan. 1 16.	Died April 6th 1916.	97 days
A.B.	10	Dispensary	"	Jan. 17/16.	17 "
S.L.	8	Bowdon Sanatorium	April 8/16.	June 17/16.	71 "
F.S.	13	Dispensary	June 8 16.	July 17/16.	40 "
J.J.	10	"	Nov. 7/16.	Undischarged	
				Dec. 31/16.	55 "
J.C.	13	"	Nov. 27/16.	"	35 "

Diseases of the Eye.—During the year 174 children were examined by the ophthalmic surgeon. Spectacles were prescribed in 167 cases, and of these 161 have obtained glasses.

In 18 cases the parents were considered too poor to pay for spectacles, and the cost was defrayed, wholly or in part, by the Local Authority.

IV.—INFECTIOUS DISEASE.

During the year 1916 the following cases of Infectious Disease occurring among school children were notified to the Medical Officer of Health :—

Scarlet Fever	37
Diphtheria	26
Enteric Fever	1
Erysipelas	1
Measles	71
Chicken-Pox (notifiable in the Borough from March 29th to December 31st)	138

Closure of Schools.—During the year the following schools have been closed on account of the prevalence of Infectious Disease among the scholars :—

Walmersley, Infants' Department : January 10th to January 28th. Measles.

Holy Trinity, Infants' Department : May 29th to June 14th. Chicken-Pox.

St. Chad's, Infants' Department : May 29th to June 14th. Chicken-Pox.

V.—MISCELLANEOUS.

Exclusion from School.—The exclusions of children from school by the School Medical Officer on medical grounds during the year total 2,886 school days. Of these, Ringworm was responsible for 705 and Dirty and Verminous Conditions for 1,115.

The latter figure is much higher than it should be, and is due, in great part, to the continual relapse of certain children.

During the year the parents of seven children have been prosecuted for this condition, with the following results :—

B.T.—Fined 20/-.

C.M.—Fined 10/-.

E.W. and L.W.—Fined 5/- in each case.

I.B. and M.B.—Fined 5/- in each case.

M.O.—Fined 20/- (This child was, later in the year, committed to an Industrial School).

Education (Provision of Meals) Act, 1906.

No necessity has arisen during the year to put the Act into force.

SUMMARY of the Work of the SCHOOL NURSE
during the year 1916.

452 visits have been paid to the various school departments.
This number is made up as follows:—

126 visits with the Medical Officer to assist at the routine inspection.

326 visits for other purposes—examination of children for cleanliness, &c.

1,361 visits and re-visits have been made to the homes of dirty children and children found on Medical Inspection to be suffering from some disease or defect.

Visits were paid to all the schools for the purpose of giving instruction to the children, especially the girls, in personal cleanliness, the care of the hair, &c., and 5,981 children were inspected for cleanliness.

29 visits have been made to the Ophthalmic Surgeon's rooms to assist in the examination of children with defective vision, and in the case of the children examined by him (174) atropine has been introduced into the children's eyes by the nurse on the day previous to examination.

TABLE I. Number of Children Inspected 1st January, 1916, to 31st December, 1916.
A—"CODE" GROUPS.

AGE.	ENTRANTS.						LEAVERS.		Grand Total.
	3	4	5	6	Other Ages.	Total.	12	13	
Boys	128	177	198	71	9	583	327	15	342
Girls	103	151	181	67	5	507	386	27	413
Totals...	231	328	379	138	14	1090	713	42	755
									1845

B—GROUPS OTHER THAN "CODE."

	Special Cases.	RE-EXAMINATIONS (i.e., No. of Children Re-Examined).
Boys	56	912
Girls	45	
Totals	101	912

TABLE II. Return shewing the Physical Condition of Children Inspected.

	Total Inspected	Boys	Girls	Total	Per Ce	Boys	Girls	Total	Per Ce	Boys	Girls	Total	Per Ce	Boys	Girls	Total	Per Ce	Boys	Girls	Total	Per Ce	Boys	Girls	Total
Clothing:																								
Satisfactory	574	497	167	98.26	1.71	342	413	755	..	342	413	755	..	916	909	1825	98.91	916	909	1825	98.91	916	909	1825
Unsatisfactory	9	10	19	1.71	..	..	..	1	.13	..	..	1	.13	9	11	20	1.09	9	11	20	1.09	9	11	20
Footgear:																								
Satisfactory	576	499	167	98.62	1.38	342	413	755	100.0	342	413	755	100.0	918	912	1830	99.19	918	912	1830	99.19	918	912	1830
Unsatisfactory	7	8	15	1.38	..	..	..	..	..	..	..	..	..	7	8	15	.81	7	8	15	.81	7	8	15
Cleanliness of Head: Clean (i.e., no nits or pedicul)																								
Nits only	568	420	988	91.64	..	334	321	658	87.15	334	321	658	87.15	902	741	1646	89.22	902	741	1646	89.22	902	741	1646
Pediculi	14	53	97	8.90	.46	8	86	94	12.45	8	86	94	12.45	22	169	191	10.35	22	169	191	10.35	22	169	191
	1	4	5	..	..	..	3	3	.40	..	3	3	.40	1	7	8	.43	1	7	8	.43	1	7	8
Cleanliness of Body: Clean																								
Dirty	562	497	1059	97.16	..	399	405	744	98.54	399	405	744	98.54	901	902	1803	97.72	901	902	1803	97.72	901	902	1803
Pediculi	8	2	10	.92	..	..	1	1	.13	..	1	1	.13	8	3	11	.69	8	3	11	.69	8	3	11
Plea bitten	1	..	1	.09	..	..	3	3	.40	..	3	3	.40	1	3	4	.22	1	3	4	.22	1	3	4
	12	8	20	1.83	..	5	4	7	.93	5	4	7	.93	15	12	27	1.46	15	12	27	1.46	15	12	27
Nutrition:																								
Normal	564	456	1050	96.33	..	332	383	715	94.70	332	383	715	94.70	896	869	1765	95.67	896	869	1765	95.67	896	869	1765
Below normal	17	18	35	3.21	.16	10	27	37	4.91	10	27	37	4.91	27	45	72	3.40	27	45	72	3.40	27	45	72
Bad	2	3	5	..	..	..	3	3	.40	..	3	3	.40	2	6	8	.43	2	6	8	.43	2	6	8
Nose and Throat:																								
No defect	489	498	897	82.29	..	256	309	568	75.23	256	309	568	75.23	748	717	1465	79.11	748	717	1465	79.11	748	717	1465
Mouth breathers	10	14	24	2.20	..	5	9	14	1.85	5	9	14	1.85	15	23	38	2.06	15	23	38	2.06	15	23	38
Tonsils: slightly enlarged	34	47	101	9.27	..	48	62	110	14.57	48	62	110	14.57	102	109	211	11.43	102	109	211	11.43	102	109	211
Tonsils: much enlarged	22	24	46	4.22	..	23	29	52	6.89	23	29	52	6.89	45	53	98	5.31	45	53	98	5.31	45	53	98
Adenoids: slight	6	3	9	.83	..	4	1	5	.66	4	1	5	.66	10	4	14	.76	10	4	14	.76	10	4	14
Adenoids: marked	2	11	13	1.19	..	3	3	6	.80	3	3	6	.80	5	14	19	1.03	5	14	19	1.03	5	14	19
Glands:																								
No defect	551	481	1035	94.95	..	325	383	708	93.78	325	383	708	93.78	876	867	1743	94.47	876	867	1743	94.47	876	867	1743
Cervical, slightly enlarged	4	3	7	.64	..	12	17	29	3.81	12	17	29	3.81	16	29	36	1.95	16	29	36	1.95	16	29	36
Cervical, much enlarged	2	4	6	.55	..	3	5	8	1.05	3	5	8	1.05	5	9	14	.76	5	9	14	.76	5	9	14
Submaxillary, slightly enlarged	24	16	40	3.68	..	2	7	9	1.19	2	7	9	1.19	26	23	49	2.66	26	23	49	2.66	26	23	49
Submaxillary, much enlarged	2	..	2	.18	..	..	1	1	.13	..	1	1	.13	2	1	3	.16	2	1	3	.16	2	1	3
External Eye Disease:																								
No disease	569	489	1058	97.07	..	333	404	737	97.61	333	404	737	97.61	902	893	1795	97.29	902	893	1795	97.29	902	893	1795
Blepharitis	2	5	7	.64	..	2	2	4	.53	2	2	4	.53	4	7	11	.60	4	7	11	.60	4	7	11
Conjunctivitis	1	..	1	.09	..	1	1	2	.27	1	1	2	.27	2	1	3	.16	2	1	3	.16	2	1	3
Corned opacities	..	1	1	.09	..	..	2	2	.27	..	2	2	.27	..	3	3	.16	..	3	3	.16	..	3	3
Other diseases	11	32	23	2.11	..	6	4	10	1.32	6	4	10	1.32	17	16	33	1.79	17	16	33	1.79	17	16	33
Ear Disease:																								
No disease	574	498	1072	98.31	..	334	405	739	97.88	334	405	739	97.88	908	903	1811	98.16	908	903	1811	98.16	908	903	1811
Obstruction, R.	..	3	3	.28	..	..	..	..	..	..	..	..	..	..	2	2	.16	..	2	2	.16	..	2	2
Obstruction, L.	..	3	3	.28	..	..	..	..	..	..	..	..	..	..	3	3	.16	..	3	3	.16	..	3	3
Otorrhoea, R.	2	1	3	.28	..	3	5	9	1.19	3	5	9	1.19	6	6	12	.65	6	6	12	.65	6	6	12
Otorrhoea, L.	..	3	3	.28	..	1	3	7	.93	1	3	7	.93	3	7	10	.58	3	7	10	.58	3	7	10
Other diseases	7	..	7	.61	..	..	..	..	..	..	..	..	..	7	..	7	.54	7	..	7	.54	7	..	7

Teeth:	Sound... ..	991	165	349	3386	47	97	114	19-07	251	262	515	2781	...	...	...	...	...	...
	Less than four decayed	999	218	117	11-01	235	104	60-11	438	459	901	48-03	...	...	...	...	...	...	...
	Four or more decayed...	111	116	260	2387	76	74	114	19-07	211	120	404	21-90	...	...	...	...	...	...
	Sepsis	6	8	14	1-23	6	7	13	1-72	12	15	27	1-16	...	...	...	...	...	...
Heart and Circulation:	No disease	508	489	1057	96-08	339	399	735	97-35	901	885	1792	97-13	...	...	...	...	...	...
	Organic disease...	7	14	21	1-03	5	9	11	1-85	12	23	33	1-20	...	...	...	...	...	...
	Functional disease	3	1	4	36	1	3	4	55	4	4	8	43	...	...	...	...	...	...
	Anemia	5	3	8	73	...	2	2	37	...	5	10	54	...	...	...	...	...	...
	Other defect ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lungs:	No disease	570	493	1063	97-02	310	412	752	99-60	916	995	1815	98-25	...	...	...	...	...	...
	Chronic Bronchitis & Bronchial Catarrh	13	13	26	239	2	...	2	27	15	13	23	1-52	...	...	...	...	...	...
	Tuberculosis ... ..	...	1	1	09	...	...	1	1	...	1	1	05	...	...	...	...	...	...
	Tuberculosis suspected ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other diseases ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nervous System:	No disease	582	506	1085	99-82	341	413	751	99-47	923	919	1812	99-81	...	...	...	...	...	...
	Epilepsy (major or minor) ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chorea ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other diseases	1	1	2	18	...	...	...	...	1	1	2	41	...	...	...	...	...	...
Skin:	No disease	579	505	1081	99-15	341	411	752	99-60	920	916	1836	99-59	...	...	...	...	...	...
	Ringworm, body ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Ringworm, head ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Impetigo	1	2	6	55	1	1	...	...	...	...	...	...	...	...	...	...	...	...
	Scabies ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other diseases ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rickets:	No disease	577	502	1079	98-09	341	407	748	99-07	918	909	1827	99-02	...	...	...	...	...	...
	Slight	1	1	2	18	...	3	3	40	1	1	5	27	...	...	...	...	...	...
	Marked	5	1	9	83	1	3	1	53	6	7	13	71	...	...	...	...	...	...
Deformities:	No deformity	578	503	1081	99-17	339	407	746	98-31	917	910	1827	99-02	...	...	...	...	...	...
	Deformity present	5	4	9	83	2	6	9	1-19	8	10	18	98	...	...	...	...	...	...
Tuberculosis (Non-Pulmonary):	No disease	581	506	1057	99-73	339	411	759	99-24	920	917	1837	99-57	...	...	...	...	...	...
	Glandular... ..	2	1	3	27	2	2	1	53	4	3	7	33	...	...	...	...	...	...
	Bones and joints... ..	...	...	...	...	1	...	1	13	1	...	3	05	...	...	...	...	...	...
	Other forms ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Speech:	Not defective	582	505	1087	98-73	339	412	751	99-57	921	917	1838	99-62	...	...	...	...	...	...
	Defective articulation	1	1	2	18	1	...	1	13	2	1	3	16	...	...	...	...	...	...
	Stammering ... ..	...	1	1	09	2	1	3	50	...	...	4	22	...	...	...	...	...	...
Menial Condition:	Normal	582	505	1089	99-91	341	413	751	99-87	923	920	1843	99-89	...	...	...	...	...	...
	Dull or backward	1	...	...	09	1	...	1	13	...	...	...	...	...	...	...	...	...	...
	Mentally defective (all grade) ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nothing found	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE III. HEARING--LEAVERS ROUTINE CASES, 1916.

BOYS.					GIRLS.					
	L 20-ft.	L 15-ft.	L 10-ft.	L 5-ft.	L 0-ft.	L 20-ft.	L 15-ft.	L 10-ft.	L 5-ft.	L 0-ft.
R 20-ft...	367	5	...	...	...	365	3	5	2	1
R 15-ft...	1	2	...	...	...	2	3	7	...	...
R 10-ft...	...	...	1	...	...	2	...	2	...	...
R 5-ft....	1	...	...	1	...	...	...	...	1	...
R 0-ft....	1	...	...	3	..	2	...	...	...	...

TABLE IV. ACUITY OF VISION.

LEAVERS—BOYS.

	$L_{\frac{6}{8}}$	$L_{\frac{6}{9}}$	$L_{\frac{6}{12}}$	$L_{\frac{6}{18}}$	$L_{\frac{6}{24}}$	$L_{\frac{6}{36}}$	$L_{\frac{6}{60}}$	$L_{\frac{6}{0}}$
R $\frac{6}{8}$	219	6	..	...	...	1	...	...
R $\frac{6}{9}$	7	43	1	2	5	2	...	1
R $\frac{6}{12}$...	4	2	7	1	1	...	...	...
R $\frac{6}{18}$...	2	4	...	14	...	...	...	1
R $\frac{6}{24}$...	1	2	...	4	5	1	...	...
R $\frac{6}{36}$...	1	...	2	...	1	1	...	...
R $\frac{6}{60}$ ...	...	...	...	...	...	...	3	...
R $\frac{6}{0}$ .....	...	...	...	...	...	...	...	1

LEAVERS—GIRLS.

	$L_{\frac{6}{8}}$	$L_{\frac{6}{9}}$	$L_{\frac{6}{12}}$	$L_{\frac{6}{18}}$	$L_{\frac{6}{24}}$	$L_{\frac{6}{36}}$	$L_{\frac{6}{60}}$	$L_{\frac{6}{0}}$
R $\frac{6}{8}$	249	6	1	1	1	1	...	...
R $\frac{6}{9}$	14	60	6	3	3	2	...	...
R $\frac{6}{12}$ ...	...	1	12	..	..	1	...	...
R $\frac{6}{18}$...	1	3	2	17	1	...	...	...
R $\frac{6}{24}$...	2	2	..	5	4	1	...	...
R $\frac{6}{36}$ ...	...	1	...	1	1	2	1	1
R $\frac{6}{60}$...	1	...	...	...	...	...	2	...
R $\frac{6}{0}$	1	...	...	...	...	1	...	...

Lungs:	Chronic Bronchitis	2	...	...	...	1	2	...	...	...	...	...
	Tuberculosis ... ..	...	...	...	...	...	...	2	...	...	...	...
	Tuberculosis suspected... ..	...	...	...	...	...	...	1	...	...	...	...
	Other disease ... ..	...	...	...	...	...	...	...	...	...	...	...
Nervous System: Epilepsy (major and minor)	Chorea	1	...	...	...	...	4	...	...	...	...	...
	Other disease ... ..	...	...	...	...	...	...	...	...	...	...	...
Skin:	Ringworm (body) ... ..	...	...	...	...	...	...	...	...	...	...	...
	Ringworm (head) ... ..	...	...	...	...	...	2	...	...	...	...	...
	Impetigo	1	...	...	...	...	3	...	...	...	...	...
	Scabies ... ..	...	...	...	...	...	...	...	...	...	...	...
	Other disease	1	...	...	...	...	...	...	...	...	...	...
Rickets:	Marked ... ..	...	...	...	...	...	...	...	...	...	...	...
Deformities	... ..	...	1	...	...	...	1	...	...	...	...	...
Tuberculosis (Non-Pulmonary): Glandular	Bones and joints..	...	...	...	...	...	...	1	...	...	...	...
	Other forms... ..	...	...	...	...	...	...	1	...	...	...	...
Speech:	Defective articulation ... ..	...	...	...	...	...	...	1	1	...	...	...
	Stammering ... ..	...	...	...	...	...	...	1	...	...	...	...
Mental Condition: Dull or backward...	Mentally defective ... ..	...	...	...	...	...	...	1	1	...	...	...
Defective Vision	... ..	60	46	1	20	10	89	4	3	18	10	...
Defective Hearing	... ..	1	...	...	1	2	1	4	...	...	...	...